

Barb O'Brien

140693 = 4-9

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

SEARCH REQUEST FORM

142410 = text

Requestor's

Name:

My-Chan Team

Serial

Number:

09/380,447

Date:

12/17/04

Phone:

272-0810

Art Unit:

1639

mail box: REM 02405

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Mrs. O'Brien,

Please search claim 1 ->

and the following

limitations:

- 1) The major coat protein is a M13 filamentous phage (SEQ ID No. 2)
- 2) Its variants are as follows:

~~sequence~~

- 3) The heterologous polypeptide is an antibody that bind to a target, which is exb2.
- 4) The heterologous polypeptide is link to the major coat protein by a linking peptide of SEQ ID No. 110

Thanks ☺

S. Sidhu G. Weiss J. Wells Mod. of coat protein

STAFF USE ONLY

Date completed: 1-12-05
 Searcher: PCR
 Terminal time: 25 55
 Elapsed time: 20 30
 CPU time: _____
 Total time: _____
 Number of Searches: _____
 Number of Databases: _____

Search Site

____ STIC
 ____ CM-1
 ____ Pre-S

Type of Search

____ N.A. Sequence
4 A.A. Sequence
 ____ Structure
X Bibliographic

Vendors

____ IG Suite
218/300 STN
 ____ Dialog
 ____ APS
 ____ Geninfo
 ____ SDC
 ____ DARC/Questel
 ____ Other

=> fil reg; d que 110
FILE 'REGISTRY' ENTERED AT 09:39:33 ON 12 JAN 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JAN 2005 HIGHEST RN 811411-12-8
DICTIONARY FILE UPDATES: 10 JAN 2005 HIGHEST RN 811411-12-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

L10 13: SEA FILE=REGISTRY ABB=ON [AD][EK][GS][DE][DK][PF][AS][KR][AD]A
[FY][NE][SA]L[QE][AD][SI][AI]T[EN][YL][IF][GF][YL][AL][WG][AT][
MV][VY]VVIVGATIGIKLFFKFTSKAS/SQSFP

*Seq 2, allowing for
specified variations
+ conservative
substitutions
at the other
positions*

=> d rn cn sql kwic nte lc 110 1-13

L10 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 799856-67-0 REGISTRY - *Use Registry # to match sequence to citation (beginning on pg 6)*
CN 7: PN: WO2004101608 SEQID: 7 unclaimed protein (9CI) (CA INDEX NAME)
SQL 77

SEQ 1 SGTAMADPNR FRGKDLAGSP GGGSGGGAEG DDPKAAAFNS LQASATEYIG
=====

51 YAWAMVVVIV GATIGIKLFFK KFTSKAS
=====

HITS AT: 28-77

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 685484-38-2 REGISTRY
CN GenBank AAT27365 (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank AAT27365 (Translated from: GenBank AY598820)
SQL 73

*GenBank records
printed at yellow tabs*

SEQ 1 MKKSLVLKAS VAVATLVPML SFAAEGDDPA KAAFNSLQAS ATEYIGYAWA
=====

51 MVVVIVGATI GIKLFFKFTS KAS
=====

HITS AT: 24-73

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L10 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 480506-95-4 REGISTRY

CN GenBank CAA23861 (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank CAA23861 (Translated from: GenBank V00604)
SQL 73

SEQ 1 MKKSLVLKAS VAVATLVPML SFAAEGDDPA KAAFNSLQAS ATEYIGYAWA
=====

51 MVVVIVGATI GIKLFFKFTS KAS
=====

HITS AT: 24-73

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L10 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 460400-92-4 REGISTRY

CN L-Serine, L-alanyl-L- α -glutamylglycyl-L- α -aspartyl-L- α -
aspartyl-L-prolyl-L-alanyl-L-lysyl-L-alanyl-L-alanyl-L-phenylalanyl-L-
asparaginyl-L-seryl-L-leucyl-L-glutamyl-L-alanyl-L-seryl-L-alanyl-L-
threonyl-L- α -glutamyl-L-tyrosyl-L-isoleucylglycyl-L-tyrosyl-L-alanyl-
L-tryptophyl-L-alanyl-L-methionyl-L-valyl-L-valyl-L-valyl-L-isoleucyl-L-
valylglycyl-L-alanyl-L-threonyl-L-isoleucylglycyl-L-isoleucyl-L-lysyl-L-
leucyl-L-phenylalanyl-L-lysyl-L-lysyl-L-phenylalanyl-L-threonyl-L-seryl-L-
lysyl-L-alanyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3: PN: WO02072780 SEQID: 10 unclaimed protein
SQL 50

SEQ 1 AEGDDPAKAA FNSLQASATE YIGYAWAMVV VIVGATIGIK LFKKFTSKAS
=====

HITS AT: 1-50

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L10 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 405053-51-2 REGISTRY

CN L-Serine, L-alanyl-L- α -glutamylglycyl-L- α -aspartyl-L- α -
aspartyl-L-prolyl-L-alanyl-L-lysyl-L-alanyl-L-alanyl-L-phenylalanyl-L-
asparaginyl-L-seryl-L-leucyl-L-glutamyl-L-alanyl-L-seryl-L-alanyl-L-
threonyl-L- α -glutamyl-L-tyrosyl-L-isoleucylglycyl-L-tyrosyl-L-alanyl-
L-tryptophyl-L-alanyl-L-methionyl-L-valyl-L-valyl-L-valyl-L-isoleucyl-L-
valylglycyl-L-alanyl-L-threonyl-L-isoleucylglycyl-L-isoleucyl-L-lysyl-L-
leucyl-L-phenylalanyl-L-lysyl-L-lysyl-L-phenylalanyl-L-threonyl-L-seryl-L-
lysyl-L-alanyl- (9CI) (CA INDEX NAME)

SQL 50

SEQ 1 AEGDDPAKAA FNSLQASATE YIGYAWAMVV VIVGATIGIK LFKKFTSKAS
=====

HITS AT: 1-50

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS

L10 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 346502-45-2 REGISTRY

CN 21: PN: US6251865 SEQID: 21 unclaimed protein (9CI) (CA INDEX NAME)
OTHER NAMES:

CN 1: PN: WO0187323 PAGE: 39 unclaimed sequence
SQL 77

SEQ 1 SGTAMADPNR FRGKDLGSP GGGSGGGAEG DDPKAAAFNS LQASATEYIG
=====

51 YAWAMVVVIV GATIGIKLFK KFTSKAS

=====

HITS AT: 28-77

RELATED SEQUENCES AVAILABLE WITH .SEQLINK

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L10 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 316203-10-8 REGISTRY
CN Protein A (synthetic Staphylococcus aureus clone pAlg-816 precursor
N-terminal fragment) fusion protein with immunoglobulin, anti-(Z-DNA)
(mouse single-chain) fusion protein with protein (coliphage M13 gene III
coat C-terminal fragment) (9CI) (CA INDEX NAME)
SQL 364

SEQ 301 KLEIKHHHHH GSGTAEGDDP AKAAFNSLQA SATEYIGYAW AMVVVIVGAT
=====

351 IGIKLFKKFT SKAS
=====

HITS AT: 315-364

LC STN Files: CA, CAPLUS

L10 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 151033-87-3 REGISTRY
CN (1-6)-(9-21)-Phosphatase, alkaline (Escherichia coli precursor reduced)
fusion protein with trypsin inhibitor (cattle pancreas basic reduced)
fusion protein with protein (coliphage M13 coat) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN (1-6)-(9-21)-Phosphatase, alkaline (Escherichia coli precursor reduced)
fusion protein with trypsin inhibitor (ox pancreas basic reduced) fusion
protein with protein (coliphage M13 coat)
OTHER NAMES:
CN (1-6)-(9-21)-Phosphatase, alkaline (Escherichia coli precursor reduced)
fusion protein with trypsin inhibitor (ox pancreas basic reduced) fusion
protein with protein (bacteriophage M13 coat)
SQL 127

SEQ 51 TFVYGGCRAK RNNFKSAEDC MRTCGGAAEG DDPAKAAFNS LQASATEYIG
=====

101 YAWAMVVVIV GATIGIKLFK KFTSKAS
=====

HITS AT: 78-127

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L10 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 144999-51-9 REGISTRY
CN Trypsin inhibitor (cattle pancreas basic reduced), (58-1')-protein
with protein (coliphage M13 coat) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Trypsin inhibitor (ox pancreas basic reduced), (58-1')-protein with
protein (coliphage M13 coat)
OTHER NAMES:
CN Trypsin inhibitor (ox pancreas basic reduced), (58-1')-protein with
protein (bacteriophage M13 coat)
SQL 108

SEQ 51 CMRTCGGAAE GDDPAKAAFN SLQASATEYI GYAWAMVVVI VGATIGIKLF
=====

101 KKFTSKAS
=====

HITS AT: 59-108

LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 10 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 144999-50-8 REGISTRY
CN 1-21-Phosphatase, alkaline (Escherichia coli precursor reduced),
(21→1')-protein with trypsin inhibitor (cattle pancreas basic
reduced) (58'→1'')-protein with protein (coliphage M13 coat) (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-21-Phosphatase, alkaline (Escherichia coli precursor reduced),
(21→1')-protein with trypsin inhibitor (ox pancreas basic reduced)
(58'→1'')-protein with protein (coliphage M13 coat)
OTHER NAMES:
CN 1-21-Phosphatase, alkaline (Escherichia coli precursor reduced),
(21→1')-protein with trypsin inhibitor (ox pancreas basic reduced)
(58'→1'')-protein with protein (bacteriophage M13 coat)
SQL 129

SEQ 51 CQTFVYGGCR AKRNNFKSAE DCMRTCGGAA EGDDPAKAAF NSLQASATEY
=====

101 IGYAWAMVVV IVGATIGIKL.FKKFTSKAS
=====

HITS AT: 80-129
LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 11 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 114013-90-0 REGISTRY
CN 1-142-Kinase (phosphorylating), ribulo- (Salmonella typhimurium reduced)
142-glycine-, (142→11')-protein with 11-73-protein (coliphage M13
gene 8) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-142-Kinase (phosphorylating), ribulo- (Salmonella typhimurium reduced)
142-glycine-, (142→11')-protein with 11-73-protein (bacteriophage
M13 gene 8)
SQL 205

SEQ 151 MLSFAAEGDD PAKAAFNLSLQ ASATEYIGYA WAMVVVIVGA TIGIKLFFKFF
=====

201 TSKAS
=====

HITS AT: 156-205
LC STN Files: CA, CAPLUS

L10 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 104364-70-7 REGISTRY
CN Protein (coliphage M13 coat) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2: PN: WO0006717 SEQID: 2 unclaimed protein
CN Protein (bacteriophage M13 coat)
SQL 50

SEQ 1 AEGDDPAKAA FNSLQASATE YIGYAWAMVV VIVGATIGIK LFKKFTSKAS
=====

HITS AT: 1-50

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****
LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 76560-64-0 REGISTRY
CN Protein (coliphage M13 coat precursor) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Protein (bacteriophage M13 coat precursor)
SQL 73

SEQ 1 MKKSLVLKAS VAVATLVPML SFAAEGDDPA KAAFNSLQAS ATEYIGYAWA

=====

51 MVVVIVGATI GIKLFKKFTS KAS

=====

HITS AT: 24-73

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS

=> => fil capl; s l10

FILE 'CAPLUS' ENTERED AT 09:40:26 ON 12 JAN 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

*Registry file
answers set
crossed into bibliographic
files to get citations*

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 12 Jan 2005 VOL 142 ISS 3

FILE LAST UPDATED: 10 Jan 2005 (20050110/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L15 12 L10

=> fil uspatf toxcenter; s l10

FILE 'USPATFULL' ENTERED AT 09:40:36 ON 12 JAN 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'TOXCENTER' ENTERED AT 09:40:36 ON 12 JAN 2005

COPYRIGHT (C) 2005 ACS

L16 9 L10

=> dup rem l15,l16

FILE 'CAPLUS' ENTERED AT 09:40:40 ON 12 JAN 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 09:40:40 ON 12 JAN 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'TOXCENTER' ENTERED AT 09:40:40 ON 12 JAN 2005

COPYRIGHT (C) 2005 ACS

PROCESSING COMPLETED FOR L15

PROCESSING COMPLETED FOR L16

L17 13 DUP REM L15 L16 (8 DUPLICATES REMOVED)

ANSWERS '1-12' FROM FILE CAPLUS

ANSWER '13' FROM FILE USPATFULL

Wed Jan 12 12:35:24 2005

seq110-ther

Wed Jan 12 12:35:24 2005

seq110-th

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using SW model

OM protein - protein search, using SW model

Run on: January 12, 2005, 10:43:39 ; Search time 28 Seconds
(without alignments)
142.110 Million cell updates/sec

Run on: January 12, 2005, 11:00:20 ; Search time 97.5 Seconds
(without alignments)
222.332 Million cell updates/sec

Title: SEQ110-THEN-SEQ2
Perfect score: 304
Sequence: 1 AMEENIDSAPEAGDDPAKAA.....VIVGATIGIKLKKFTSKAS 60

Title: SEQ110-THEN-SEQ2
Perfect score: 304
Sequence: 1 AMEENIDSAPEAGDDPAKAA.....VIVGATIGIKLKKFTSKAS 60

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.1

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.1

Searched: 478139 seqs, 66318000 residues

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 478139

Total number of hits satisfying chosen parameters: 1608061

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA.*

Database : Published Applications_AA.*

1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/Backfile1.pep.*

1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubppa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubppa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubppa/PCTUS_NEW_PUB.pep.*
7: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubppa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubppa/US09C_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubppa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubppa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubppa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubppa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubppa/US10D_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubppa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	248	81.6	50	1 US-08-133-011-17	Sequence 17, Appl
2	248	81.6	50	1 US-08-322-730A-17	Sequence 17, Appl
3	248	81.6	50	1 US-08-387-874-17	Sequence 17, Appl
4	248	81.6	50	2 US-08-383-619-17	Sequence 17, Appl
5	248	81.6	50	3 US-08-907-739-17	Sequence 17, Appl
6	248	81.6	50	4 US-09-729-597-17	Sequence 17, Appl
7	248	81.6	50	5 PCT-US93-08364-17	Sequence 17, Appl
8	248	81.6	77	3 US-08-825-852-21	Sequence 17, Appl
9	248	81.6	77	3 US-09-052-888-21	Sequence 21, Appl
10	248	81.6	77	3 US-09-723-890-21	Sequence 21, Appl
11	248	81.6	77	4 US-09-723-901-21	Sequence 21, Appl
12	248	81.6	77	4 US-09-723-547-21	Sequence 21, Appl
13	248	81.6	77	4 US-09-724-127-21	Sequence 21, Appl
14	248	81.6	77	4 US-09-723-931-21	Sequence 21, Appl
15	248	81.6	77	4 US-09-723-873-21	Sequence 21, Appl
16	248	81.6	77	4 US-09-724-114-21	Sequence 21, Appl
17	248	81.6	77	4 US-09-723-913-21	Sequence 21, Appl
18	248	81.6	77	4 US-09-723-912-21	Sequence 21, Appl
19	248	81.6	77	4 US-09-724-095-21	Sequence 21, Appl
20	248	81.6	77	4 US-09-724-157-21	Sequence 21, Appl
21	248	81.6	77	4 US-09-724-062-21	Sequence 21, Appl
22	248	81.6	77	4 US-09-724-065-21	Sequence 21, Appl
23	244	80.3	73	4 US-09-495-880A-9	Sequence 21, Appl
24	244	80.3	73	4 US-09-495-880A-9	Sequence 24, Appl
25	244	80.3	73	4 US-09-866-073A-17	Sequence 40, Appl
26	234	77.0	72	4 US-09-866-073A-17	Sequence 17, Appl
27	71.4	23.5	625	4 US-09-538-092-1064	Sequence 1064, Ap

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	255	83.9	80	16 US-10-416-708A-57	Sequence 67, Appl
2	250.1	82.3	127	10 US-09-896-095-270	Sequence 187, Appl
3	250.1	82.3	131	10 US-09-896-095-187	Sequence 187, Appl
4	250.1	82.3	131	10 US-09-896-095-268	Sequence 268, Appl
5	250.1	82.3	131	10 US-09-896-095-273	Sequence 273, Appl
6	250.1	82.3	132	10 US-09-896-095-220	Sequence 220, Appl
7	250.1	82.3	132	10 US-09-896-095-222	Sequence 224, Appl
8	250.1	82.3	132	10 US-09-896-095-224	Sequence 122, Appl
9	249	81.9	73	10 US-09-896-095-112	Sequence 10, Appl
10	248	81.6	50	14 US-10-098-093-10	Sequence 17, Appl
11	248	81.6	50	15 US-10-273-973-17	Sequence 17, Appl
12	248	81.6	77	10 US-09-858-935B-2	Sequence 2, Appl
13	248	81.6	77	10 US-09-858-935B-55	Sequence 55, Appl

Wed Jan 12 12:35:25 2005

seq110-the

Wed Jan 12 12:35:25 2005

seq110-th

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

OM protein - protein search, using sw model

Run on: January 12, 2005, 10:11:18 ; Search time 126 Seconds

(without alignments)
273.988 Million cell updates/sec

Run on: January 12, 2005, 10:42:14 ; Search time 24.5 Seconds

(without alignments)
235.633 Million cell updates/sec

Title: SEQ110-THEN-SEQ2

Perfect score: 304

Sequence: 1 AMENIDSDAPAEGLDPAKAA.....VIVGATTGKLPKFTSKAS 60

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.1

Searched: 1825181 seqs, 575374646 residues

Total number of hits satisfying chosen parameters: 1825181

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : uniprot_02:*

1: uniprot_sprot:*

2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	244	80.3	73	1	COAB_BPF
2	243	79.9	50	2	O9T0Q9
3	238	78.3	50	1	COAB_BPZJ2
4	206	67.8	65	2	O38211
5	173.7	57.1	74	1	COAB_BP1
6	97	31.9	84	1	COAB_BP122
7	93	30.6	53	2	O9T0Q8
8	90	29.6	82	1	COAB_BP1KE
9	75.2	24.7	183	2	O9F4D4
10	75.1	24.7	1070	2	O615X9
11	73.5	24.2	476	2	O9A3A6
12	72.8	23.9	351	1	YES5_TREAC
13	71.7	23.6	535	2	O55577
14	71.4	23.5	522	2	O8C514
15	71.4	23.5	504	2	O60786
16	71.4	23.5	540	2	O81157
17	71.4	23.5	653	1	M1AI_HUMAN
18	71.4	23.5	1031	2	O8EFT4
19	71.1	23.4	228	2	O7J038
20	71.1	23.4	228	2	AA606080
21	70.7	23.3	2167	2	O92EKS
22	70.3	23.1	400	2	O89114
23	70.2	23.1	436	2	O892A4
24	70.2	23.1	499	2	O73P16
25	70.2	23.0	499	2	AA611474
26	69.9	22.9	700	2	O7NSA1
27	69.5	22.9	236	2	O893E0
28	69.4	22.8	523	2	O7VBS1
29	69.4	22.8	1285	2	O6V132
30	69.4	22.8	1285	2	AAQ72578
31	69.3	22.8	710	2	O6C6N0

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : PIR 79:*

1: PIR1:*

2: PIR2:*

3: PIR3:*

4: PIR4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	249	81.9	73	1	VCBPM3
2	244	80.3	73	1	VCBPM1
3	244	80.3	73	1	VCBPM2
4	238	78.3	50	1	VCBPM2
5	170.6	56.1	51	1	VCBPMF
6	97	31.9	84	2	S08090
7	90	29.6	82	1	VCBPMK
8	73.5	24.2	476	2	H87657
9	71.7	23.6	535	2	S76103
10	71.4	23.5	504	2	I49257
11	71.4	23.5	625	2	S38965
12	70.7	23.3	2167	2	AF1489
13	69.1	22.7	419	2	T19260
14	68	22.4	513	2	T35899
15	68	22.4	520	2	T35899
16	67.9	22.3	2139	2	AA6572
17	67.6	22.2	446	2	S26965
18	66.9	22.0	476	2	C96505
19	66.4	21.8	127	2	D70799
20	66.4	21.7	369	1	A23559
21	65.7	21.6	317	2	F87634
22	65.7	21.6	411	2	C57479
23	65.6	21.5	598	2	T50288
24	65.5	21.5	388	2	T45081
25	65.2	21.4	5149	2	F83345
26	65	21.4	400	2	C85882
27	64.9	21.3	910	2	H91037
28	64.9	21.3	910	2	JC4609
29	64.9	21.3	1331	2	T18310